



Mnemonic - AI-Powered Note Management System

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[Mnemonic](#)

What is Mnemonic?

Mnemonic is derived from the Ancient Greek word (mnēmonikos) which means 'of memory' or 'relating to memory'. Mnemonic in English can be translated as a pattern pattern of letters, ideas, or associations that assists in remembering something.

Why build Mnemonic?

There are many ways and reasons to build things, this is one. Why build a static note when you can build a living knowledge base.

- Traditional note-taking apps lack intelligent search.
- Users can't ask questions about their notes naturally
- Information retrieval is keyword-based, not semantic

Core Features:

Note Management

- Create, read, update, delete notes
- Tag-based organization
- Full-text search

AI-Powered Query System

- Natural language question answering
- Voice input support
- Context-aware responses using RAG
- Source citation (shows which notes were used)

System Flow: At a systems level, Mnemonic turns human intent into machine-reasoned recall through a deliberate, layered pipeline. A user begins by asking a question, either by typing or speaking; if voice is used, speech-to-text converts it into

a clean textual query. That query is transformed into a dense vector representation via an embedding model, capturing semantic meaning rather than keywords. Using pgvector, Mnemonic performs a vector similarity search against stored note embeddings to identify the top-K notes that are most relevant in meaning to the user’s question. These retrieved notes are not answers themselves—they are evidence. They are assembled into a structured context window that preserves content, metadata, and identifiers, which is then passed to a large language model via (Groq) API to reason over. The LLM generates a coherent answer grounded strictly in the retrieved notes, and the system surfaces the response alongside explicit citations pointing back to the source notes, maintaining transparency and trust.

From a user’s perspective, Mnemonic is not “another notes app”; it is an externalized memory system. Instead of forcing users to remember filenames, folders, or exact phrasing, it allows them to think naturally and ask questions the same way they would ask themselves: “What did I decide about embeddings?” or “What was my takeaway from that meeting last week?” Mnemonic shifts note-taking from passive storage to active cognition—your notes become a living knowledge base that can be queried, reasoned over, and revisited with context. The project is fundamentally about reducing cognitive load: you remember less, search less, and think more, while the system preserves the provenance of every answer so your thinking remains auditable, personal, and trustworthy.

Check [HERE](#) for project DETAILS